ThinkPad® T520 4243 (Onsite)

| Type-model | Processor | Memory | Wide- screen display | Camera | Disk SATA GB [®] rpm | PCle Mini Card WLAN | PCIe Mini Card WWAN/mSATA | Modem | Finger print reader | Blue- tooth | | | Global (G) GMP (P) | Pre- |
|------------|-----------|--------|----------------------------|--------|-------------------------------------|---------------------------|---------------------------------|-------|---------------------------|----------------|---|------|--------------------------|--------|
| 4243-4WU | i5-2520M | 4GBx1 | 15.6" HD | 720p | 500G 7200 | Intel 6205 ²⁸ | WWAN upg | Modem | Finger | Blue | 6 | vPro | GΡ | Pro 64 |
| 4243-29U | i5-2520M | 2GBx2 | 15.6" HD | 720p | 320G 7200 | Intel 6205 | WWAN upg | | | Blue | 6 | vPro | GΡ | Pro 64 |

- These models are part of the Global Models Plus program with limited onsite service²⁴ 3-year limited warranty These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5-2520M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology | Preloaded operating system ²⁰ - Genuine Windows® 7 Professional 64 |
|--|---|---|
| Memory | 8GB max ⁷ / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets | Ready to install applications ¹⁴ (all OSes; only some listed) |
| Optical Ultrabay SATA disk | DVD burner, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high Some: HDD / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™ All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive | Rescue and Recovery™ Access Connections™ Fingerprint Software (fingerprint models) Password Manager (fingerprint |
| mSATA™ SSD | None | models) |
| Widescreen display Camera | 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut HD720p resolution, wider view angle, low light sensitive, fixed focus | ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox Lenovo SimpleTap |
| Graphics | Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@75Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | Preloaded applications¹⁴ (all OSes; only some listed) Norton™ Internet Security 2011 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 7 row, 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Windows Live™ Essentials Microsoft Office 2010 preloaded; purchase product key to activate Corel® WinDVD® (DVD±RW) |
| Dimensions (WxDxH) ³ Weight ² Case material Battery - type Battery - life ¹⁰ | HD & HD+: 14.68" x 9.65" x 1.25-1.40"; 372.8mm x 245.1mm x 31.8-35.6mm FHD: 14.68" x 9.65" x 1.29-1.44"; 372.8mm x 245.1mm x 32.8-36.6mm 6-cell: starting at 5.54 lb (2.51kg); 9-cell: starting at 5.89 lb (2.67kg) Display cover: Carbon-fiber / Glass-fiber hybrid; Bottom: Glass-fiber reinforced plastic without paint Lithium lon 6-cell or 9-cell, support optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 7.7 hr; 9-cell: up to 12.8 hr; 9-cell plus slice battery: up to 25.6 hr | Corel Burn.Now™ Lenovo Édition (DVD±RW) Corel DVD MovieFactory® Lenovo Edition (DVD±RW) |
| Chipset ExpressCard Smart Card Read Multicard Reader Ports | Mobile Intel QM67 Express Chipset One slot (ExpressCard/34) None 4-in-1 reader (MMC, SD, SDHC, SDXC) Integrated model: Four USB 2.0 (one powered), Optimus model: Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), ethernet (RJ-45), | |
| | IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | Supports ThinkVantage® technologies |
| PCIe Mini Card WLAN⁴ WWAN Modem Bluetooth™ Ethernet Intel AMT Audio support Security Security chip | Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 Wireless WAN upgradable Some: 56K V.926 modem Bluetooth 3.0 wireless, LED indicator Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20672 codec / stereo speakers, 1 watt x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Some: UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, | 65-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹ 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 For compatible accessories, please |
| | Power On Authentication, supports the security chip 3-years/1-year battery, limited onsite service ²⁴ , 8 am - 5 pm, Mon - Fri coverage | go to O-T520 sheet; For ThinkPlus ^{TM, 22} service upgrade |
| | excluding holidays, next business day response time / service upgrades ²² available | options, please go to S-TA sheet |

ThinkPad® T520 4243 (Optimus) - Onsite

| Type-model | Processor | Memory | Wide- screen display | Camera | Disk SATA GB [®] rpm | PCle Mini Card WLAN | PCIe Mini Card WWAN/mSATA | Modem | Finger print reader | Blue- tooth | | Intel | Global (G) GMP (P) | Pre- load |
|--|-----------|--------|----------------------------|--------|-------------------------------------|---------------------------|---------------------------------|-------|---------------------------|----------------|---|-------|--------------------------|--------------|
| 4243-4UU | i7-2620M | 4GBx1 | 15.6" HD+ | 720p | 500G 7200 | Intel 6205 ²⁸ | WWAN upg | Modem | Finger | Blue | 9 | vPro | GΡ | Pro 64 |
| 4243-4VU | i5-2520M | 4GBx1 | 15.6" HD | 720p | 500G 7200 | Intel 6205 | WWAN upg | Modem | Finger | Blue | 9 | vPro | GΡ | Pro 64 |
| 4243-28U | i5-2540M | 2GBx2 | 15.6" HD+ | 720p | 500G 7200 | Intel 6205 | WWAN upg | | _ | Blue | 9 | vPro | GΡ | Pro 64 |
| 4243-27U | i5-2520M | 2GBx1 | 15.6" HD | 720p | 320G 7200 | Intel 6205 | WWAN upg | | | | 9 | vPro | GΡ | Pro 64 |
| 4243-5UU | i7-2640M | 4GBx1 | 15.6" HD+ | 720p | 500G 7200 | Intel 6205 | WWAN upg | Modem | Finger | Blue | 9 | vPro | GΡ | Pro 64 |
| Part of the Global Models Plus program with limited onsite service²⁴ 3-year limited warranty Microsoft® Office 2010 Product Key Ready (O10PKR) | | | | | | | | | | | | | | |

| | Part of the Global Models Plus program with limited onsite service 3-year limited warranty Microsoft Office 2010 Product Key Ready (O10PKR) | , | | | | |
|--|--|---|--|--|--|--|
| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5-2520M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology Intel Core i5-2540M processor (dual-core, 2.60GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology Intel Core i7-2620M processor (dual-core, 2.70GHz, 4MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.40GHz), HT technology Intel Core i7-2640M processor (dual-core, 2.80GHz, 4MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.50GHz), HT technology | Preloaded operating system ²⁰ - Genuine Windows® 7 Professional 64 Ready to install applications ¹⁴ (all OSes; only some listed) • Rescue and Recovery™ • Access Connections™ • Fingerprint Software (fingerprint | | | | |
| Memory | 8GB max ⁷ / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets | models) Password Manager (fingerprint models) | | | | |
| Optical Ultrabay SATA disk | DVD burner, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high Some: HDD / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™ All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive | ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox Lenovo SimpleTap | | | | |
| mSATA™ SSD | None | Preloaded applications ¹⁴ (all OSes; only some listed) | | | | |
| Widescreen display | Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut HD720p resolution, wider view angle, low light sensitive, fixed focus | Norton™ Internet Security 2011 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Windows Live™ Essentials | | | | |
| Graphics | NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA NVS™ 4200M, PCI Express® x16, 1GB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports three independent displays; Maximum external resolution: 2560x1600 (DisplayPort) @ 60Hz; 2048x1536 (VGA) @ 85Hz; 1920x1200 @ 60Hz (single-link DVI-D via cable 45J7915) | Microsoft Office 2010 preloaded; purchase product key to activate Corel® WinDVD® (DVD±RW) Corel Burn.Now™ Lenovo Edition (DVD±RW) Corel DVD MovieFactory® Lenovo Edition (DVD±RW) | | | | |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 7 row, 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | | | | | |
| Dimensions (WxDxH) ³ Weight ² Case material Battery - type Battery - life ¹⁰ | HD & HD+: FHD: 14.68" x 9.65" x 1.25-1.40"; 372.8mm x 245.1mm x 31.8-35.6mm 14.68" x 9.65" x 1.29-1.44"; 372.8mm x 245.1mm x 32.8-36.6mm 6-cell: starting at 5.67 lb (2.57kg); 9-cell: starting at 6.02 lb (2.73kg) Display cover: Bottom: Carbon-fiber / Glass-fiber hybrid; Glass-fiber reinforced plastic without paint Lithium lon 6-cell or 9-cell, support optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 8.4 hr; 9-cell: up to 14.0 hr; 9-cell plus slice battery: up to 28.1 hr | | | | | |
| Chipset ExpressCard Smart Card Read Multicard Reader Ports | 4-in-1 reader (MMC, SD, SDHC, SDXC) Integrated model: Four USB 2.0 (one powered), Optimus model: Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), ethernet (RJ-45), | Cupposto Think/orts == ** to short == ** | | | | |
| | IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 Wireless WAN upgradable Some: 56K V.92® modem Some: Bluetooth 3.0 wireless, LED indicator Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20672 codec / stereo speakers, 1 watt x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Some: UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip 3-years/1-year battery, limited onsite service ²⁴ , 8 am - 5 pm, Mon - Fri coverage | Supports ThinkVantage® technologies 90-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 For compatible accessories, please go to O-T520 sheet; For ThinkPlus™. ²² service upgrade | | | | |
| Emiliod Warranty | excluding holidays, next business day response time/service upgrades ²² available | options, please go to S-TA sheet | | | | |

ThinkPad® T520i 4239 (TopSeller)

| Type-model | Processor | Memory | Wide- screen display | Camera | Disk SATA GB [®] rpm | PCle Mini Card WLAN | PCIe Mini Card WWAN/mSATA | Modem | Finger print reader | Blue- tooth | Bat- tery cells | Intel vPro | Preload |
|------------|-----------|--------|----------------------------|--------|-------------------------------------|---------------------------|---------------------------------|-------|---------------------------|----------------|-----------------------|---------------|---------|
| 4239-47U | i3-2310M | 4GBx1 | 15.6" HD | 720p | 320G 7200 | Intel 1000 | WWAN upg | None | None | | 6 | None | Pro 64 |
| 4239-4LU | i3-2350M | 4GBx1 | 15.6" HD | 720p | 320G 7200 | Intel 1000 | WWAN upg | None | None | Blue | 6 | None | Pro 64 |

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
 Microsoft® Office 2010 Product Key Ready (O10PKR)

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology | Preloaded operating system ²⁰ - Genuine Windows® 7 Professional 64 Ready to install applications ¹⁴ (all | | | |
|--|---|--|--|--|--|
| Memory | 8GB max ⁷ / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets | OSes; only some listed) ■ Rescue and Recovery™ ■ Access Connections™ | | | |
| Optical Ultrabay SATA disk mSATA™ SSD | DVD burner, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high Some: HDD / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™ All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive None | Fingerprint Software (fingerprint models) Password Manager (fingerprint models) ThinkVantage System Update ThinkVantage Power Manager | | | |
| Widescreen display Camera | 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut HD720p resolution, wider view angle, low light sensitive, fixed focus | ThinkVantage Toolbox Lenovo SimpleTap Preloaded applications ¹⁴ (all OSes; | | | |
| Graphics | Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@75Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | only some listed) Norton™ Internet Security 2011 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Windows Live™ Essentials Microsoft Office 2010 preloaded; | | | |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 7 row, 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | purchase product key to activate Corel® WinDVD® (DVD±RW) Corel Burn.Now™ Lenovo Edition (DVD±RW) | | | |
| Dimensions (WxDxH) ³ Weight ² Case material Battery - type Battery - life ¹⁰ | HD & HD+: 14.68" x 9.65" x 1.25-1.40"; 372.8mm x 245.1mm x 31.8-35.6mm 14.68" x 9.65" x 1.29-1.44"; 372.8mm x 245.1mm x 32.8-36.6mm 6-cell: starting at 5.54 lb (2.51kg); 9-cell: starting at 5.89 lb (2.67kg) Display cover: Carbon-fiber / Glass-fiber hybrid; Glass-fiber reinforced plastic without paint Lithium lon 6-cell or 9-cell, support optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 7.7 hr; 9-cell: up to 12.8 hr; 9-cell plus slice battery: up to 25.6 hr | Corel DVD MovieFactory® Lenovo Edition (DVD±RW) | | | |
| | 4-in-1 reader (MMC, SD, SDHC, SDXC) | | | | |
| Ports | Integrated model: Four USB 2.0 (one powered), Optimus model: Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | Supports ThinkVantage® technologies 65-watt AC adapter | | | |
| PCIe Mini Card WLAN⁴ WWAN Modem Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Wireless WAN upgradable None Some: Bluetooth 3.0 wireless, LED indicator Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1 None High Definition (HD) Audio, Conexant 20672 codec / stereo speakers, 1 watt x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack | ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 | | | |
| Security Security chip Fingerprint reader | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant | For compatible accessories, please go to O-T520 sheet; | | | |
| | 1-year - depot repair service / service upgrades ²² available | ☐ For ThinkPlus™. ²² service upgrade options, please go to S-TA sheet | | | |